Applicant: Moshe Rock et al. Attorney's Docket No.: 10638-047001/952/40

Serial No.: 10/047,939
Filed: October 23, 2001

Page : 2 of 10

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

**X (Currently Amended) A composite textile fabric formed by concurrently knitting a plaited construction comprising an inner fabric layer and an outer fabric layer, the inner fabric layer and the outer fabric layer each being distinct and separate but intimately plaited together in an unitary body,

an the inner fabric layer, being formed of yarn comprising synthetic yarn fibers rendered hydrophilic and defining a surface configured to be worn facing a wearer's skin, the surface including a plurality of continuous, open channels extending over a major portion of the composite textile fabric; and

an the outer fabric layer, being formed of a material selected from the group consisting of: a moisture absorbent material, a plurality of synthetic yarn fibers, and a combination thereof, and defining a surface to be worn as an outer surface of a garment,

with, the inner fabric layer senfigured to define an outer surface of a garment, comprising a material selected from the group consisting of a moisture absorbent material, a plurality of synthetic yarn fibers and a combination thereof; wherein the first inner fabric layer and second outer fabric layer are formed concurrently by knitting a plaited construction creating an integrated body for movement of moisture between the first inner fabric layer and the second outer fabric layer.

the surface of the inner fabric layer comprising discrete pillar regions of relatively deeper pile, said discrete pillar regions of relatively deeper pile being spaced apart and isolated from each other by regions of relatively shorter pile or no pile that form a plurality of intersecting channels passing among said discrete pillar regions and open to the wearer's skin, said plurality

Applicant: Moshe Rock et al. Attorney's Docket No.: 10638-047001/952/40

Serial No.: 10/047,939

Filed : October 23, 2001

Page : 3 of 10

of intersecting channels defining insulation regions to contain a cushion of air for promoting warmth under static conditions during periods of wearer inactivity and defining circulation regions creating avenues for flow of air and enhanced evaporation of moisture from the skin of the wearer for creating a heat dissipation or cooling effect during periods of physical activity by the wearer.

2. (Currently Amended) The fabric of claim 1, wherein <u>said discrete pillar regions of said</u> inner fabric layer has a <u>have</u> raised <u>surfaces</u> and the <u>said</u> outer fabric layer has a non-raised surface.

3. (Currently Amended) The fabric of claim 1, wherein said moisture absorbent material is selected from the group consisting of: cotton, rayon and wool.

4. (Currently Amended) The fabric of claim 1, wherein said fabric has a construction selected from the group consisting of: knit, two-end fleece, three-end fleece, terry with regular plaiting, double terry, and tricot.

(Currently Amended) The fabric of claim 1, wherein the <u>said</u> inner fabric layer comprises between about 30 and 70 percent by weight of the fabric and said second <u>outer</u> fabric layer comprises between about 70 and 30 percent by weight of the fabric.

(Currently Amended) The fabric of claim 1, wherein the synthetic fibers of said inner fabric layer are selected from the group consisting of: polyester and nylon.

7 4. (Currently Amended) The fabric of claim 1, wherein the said outer fabric layer is made of a yarn comprising a plurality of synthetic fibers.

Applicant: Moshe Rock et al. Attorney's Docket No.: 10638-047001 / 952/40

Serial No.: 10/047,939 Filed: October 23, 2001

Page : 4 of 10

8. (Currently Amended) The fabric of claim 7, wherein the denier of the yarn fibers of the said inner fabric layer and the said outer fabric layer are in a ratio of between about 1:20 and 10:1.

9/(Currently Amended) The fabric of claim 7, wherein the denier ratio of the yarn of the first said inner fabric layer to that of the second said outer fabric layer is between about 1:6 and 1:1.5.

10. (Currently Amended) The fabric of claim 7, wherein the yarn fibers of the <u>said</u> inner fabric layer are in a size range of between about 0.15 and 3.0 dpf and the yarn fibers of the <u>said</u> outer fabric layer are in a size range of between about 0.3 and 3.0 dpf.

(Currently Amended) The fabric of claim 7, wherein the yarn of the <u>said</u> outer fabric layer is in a size range of between about 50 and 300 denier and the yarn of the <u>said</u> inner fabric layer is in a size range of about 50 to 200 denier.

- 12. (Cancelled)
- 13. (Cancelled)
- 14. (Cancelled)

(New) The composite textile fabric of claim 1, wherein said plurality of intersecting channels includes horizontal channels formed by selectively removing loop yarn from one or more feeds during knitting to create said horizontal channels with relatively shorter pile or no pile passing among said discrete pillar regions of relatively deeper pile.

(New) The composite textile fabric of claim 1, wherein said plurality of intersecting channels includes horizontal channels formed by selectively using shrinkable loop yarn in one or

Attorney's Docket No.: 10638-047001 / 952/40

Applicant: Moshe Rock et al.

Serial No.: 10/047,939 Filed: October 23, 2001

Page : 5 of 10

more feeds during knitting to create, after processing with wet or dry heat, said horizontal channels with relatively shorter pile or no pile passing among said discrete pillar regions of relatively deeper pile.

17. (New) The composite textile fabric of claim 18 or claim 16, wherein said plurality of intersecting channels includes vertical channels formed by selectively alternating regions of tipped sinkers with regions of tipless sinkers, regions of high sinkers with regions of low sinkers, and/or regions of combinations of tipped sinkers and high sinkers with regions of combinations of tipless sinkers and low sinkers during knitting to create said vertical channels with relatively shorter pile or no pile passing among said discrete pillar regions of relatively deeper pile.